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## WATER SUPPLY OUTLOOK

rederal - State - Private Cooperative Snow Surveys
for
WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE, and

STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

APR. 1, 1962

#### UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Cooperative Snow Survey and Water Supply Forecast Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

	PUBLISHED BY SOIL	CONSERVATION SERVICE	
REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
COLORAGO AND STATE OF UTAH _	MONTHLY (JANJUNE)	_ SALT LAKE CITY, UTAH	UTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA	MONTHLY (JANMAY)	_ BOIS'E. IOAHO	_ loaho State Reclamation Engineer
UPPER MISSOURI AND STATE	MONTHLY (FEBJUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
WEST-WIDE	OCT. 1. APR. 1. MAY 1	_ PORTLÁNO, OREGON	_ ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MARMAY)	PALMER, ALASKA	_ ALASKA S.C.D.
AR 1 ZON A	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC ARIZ. AGR. EXP. STATION
COLORADO ANO NEW MEXICO	MONTHLY (FEBMAY)	_ FORT COLLINS, COLORADO_	– COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
I OAHO	MONTHLY (FEBMAY)	BOISE. IOAHO	_ IOAHO STATE RECLAMATION ENGINEER
NEVADA	MONTHLY (JANMAY)	_ RENO, NEVAOA	NEVAGA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
ORE GON	MONTHLY (JANJUNE)_	PORTLANO, OREGON	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEBJUNE)-	SPOKANE. WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEBJUNE)	_ CASPER. WYOMING	_ WYOMING STATE ENGINEER
Copies of thes	e various reports may be	secured from: Head, Water Supply F	Construction Consists
		Soil Conservation Se P.O. Box 4170, Portl	rvice
	PUBLISHED E	BY OTHER AGENCIES	
REPORTS	ISSUED		AGENCY
BRITISH COLUMBIA	MONTHLY (FEBJUNE)	COMPTROLLER, WATER FORESTS, PARLIAME	R RIGHTS BR., DEPT. OF LANOS AND NT BLOG., VICTORIA, B.C., CANAOA
CALIFORNIA	MONTHLY (FEBMAY)	CALIF. DEPT. OF W	ATER RESOURCES, SACRAMENTO, CALIF.

## FEDERAL-STATE COOPERATIVE

### SNOW SURVEYS AND WATER FORECASTS

FOR

WYOMING

Issued April I, 1962

Report Prepared by George W. Peak Snow Survey Supervisor State of Wyoming

Soil Conservation Service
345 East 2nd Street
P. 0. Box 340
Casper, Wyoming

Issued by

B. H. Hopkins State Conservationist Soil Conservation Service Earl Lloyd State Engineer of Wyoming Cheyenne, Wyoming

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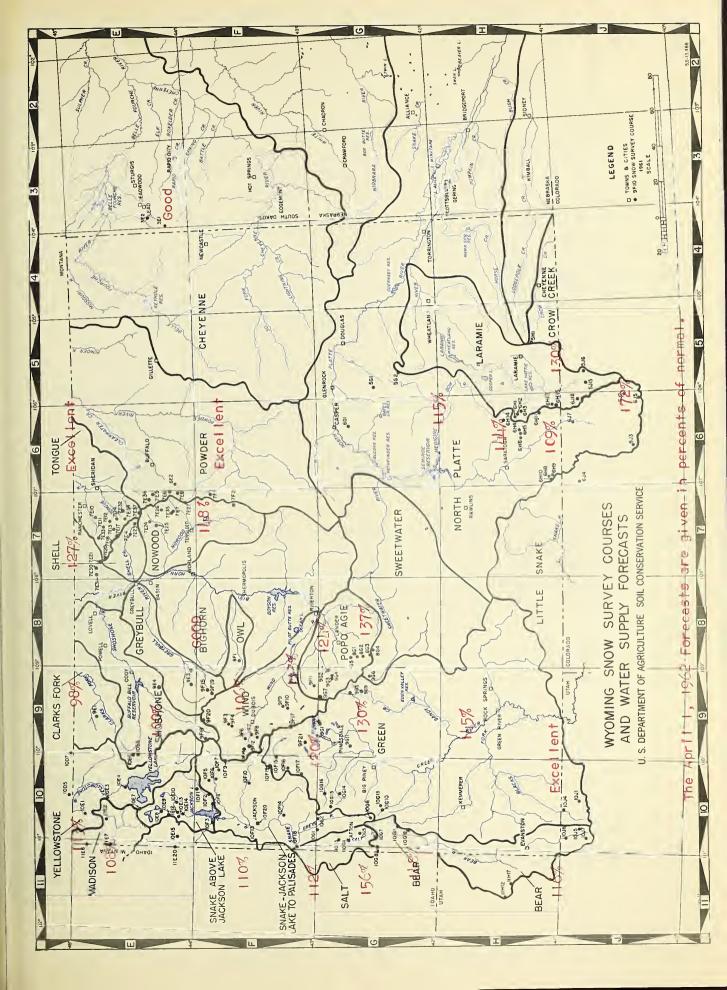
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A I CARROLL

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## INDEX TO WYOMING SNOW COURSES

			LOCATIO	N								LOCATI	ON				
	WYOMING Number	ELEV.	SEC. LAT. URI RIVER	TWP.	RANGE LONG.	RECORO BEGAN		MEAS. BY b	ORAINAGE BASIN ANO COURSE NAME	WYOMING NUMBER	ELEV.	SEC. LAT. URI RIVER	TWP.	RANGE LONG.	RECORO BEGAN	MEAS. OATES a	MEAS. BY b
MADISON RIVER									CROW CREEK								
Norris Basin 21 Mile •m	10E2	7500 7150	44 <sup>0</sup> 44 I	HS	110°421 5E	1936 1934	2,3,4,5 1,2,3,4,5	6	Pole Mountain #2 NORTH PLATTE	5H1	8700	35	I 5N	72 <b>\</b>	1936	2,3,4,5	- 1
West Yellowstone ∗m YELLOWSTONE	11E7	6700	34	138	5E	1934	1,2,3,4,5	6	Albany	6H11	9400	IB	14N	78W	1949	2,3,4,5	1
Canyon	10E3	7750	440441		1100301	1938	1,2,3,4,5	1	Bottle Creek Boxelder #1, #2	6H2 5G I	8000 8500	24 31	14N 30N	25₩ 75₩	1936 1950	2,3,4,5	
Cooke City *m Crevice Mountain *m	1007	7400 B400	25 22	9S 9S	14E 9E	1937 1935	1,2,3,4,5		Casper Mountain Columbine •c	6J3	870C 9300	16 21	32N 5N	79₩ 82₩	1954 1936	1,2,3,4, 2,3,4,5	5 1
East Entrance Lake Camp #1, #2	10E6 10E4	7000 7850	17 44 <sup>0</sup> 34	52N	109W 110°241	1948 1937	1,2,3,4,5	2	Fox Park LaBonte	6H12	9200 8450	21	13N 27N	78₩ 74₩	1936 1949	2,3,4,5	4
Lupine Creek Thumb Oivide	I OE I	7300	44°541 44°221		1100371	1938	1,2,3,4,5		North Barrett Creek North French Creek	#2 6H5	9400	30 27	16N 16N	80M 808	1936	2,3,4,5	i
Sylvan Pass	10E7 10E5	7900 7100	12	52N	110#	1946 1936	2,3,4	2	Northgate *c	6J7	8500	7	LIN	79w	1938 1950	2,3,4,5	
CLARK'S FORK	051	0000	22	CON	100%	1040			Old Battle Park View •c	6J2	9800 9200	29 24	14N 5N	85 W 78 W	1936 1936	2,3,4,5	
Lodgepole WIND RIVER	9E1	8200	32	56N	106W	1940	2,3,4,5	1,4	Rock Creek Ryan Park #2	6H14 6H6	9800 8400	5 34	17N 16N	79W 81W	1960	2,3,4,5	1
Big Warm Burroughs Creek	9F12 9F4	8800 8800	36 15	42N 43N	109W	1955 1948	2,3,4,5	1	Webber Spring Willow Creek Pass ∗c	6H9 : 6J5	9000 9500	27 	14N 4N	25 W 78 W	1936	2,3,4,5	- 1
Oinwoodie	9F10	10000	9	38N	105W	1948	2,3,4,5	1,3	CNEYENNE RIVER								
Oinwoodie Glaciers Ory Creek	9F17 9F9	9500 9500	43º   4   34	4N	109°35'	1959 1948	2,3,4,5	1,3	Upper Spearfish ∗s Terry Peak *s	3E1	65CC 7000	21	3 N 4 N	1E 2E	1944 1960	2,3,4	4 1,4
OuNoir Geyser Creek	9F6 9F7	8750 8500	27 12	42N 41N	106M 108M	1940 1948	2,3,4,5	1			COLOR	AOO RIVER	ORAINA	GE			
Little Warm Sheridan R.S. #2	9F8 9F14	9500 7500	24 3	41N 42N	108M 108M	1948 1955	2,3,4,5	1	GREEN RIVER Big Park	10011	0.700	7	071	117W	1051	0015	
T-Cross Ranch Togwotee Pass	9F3 10F9	800 0 96 0 0	1 29	43N 44N	107W	1940 1936	2,3,4,5	5	Big Sandy Opening	10G11 9G9	9200	7	27N 31N	104W	1951	2,3,4,5	
POPO AGIE RIVER							-,-,.,-	ŭ.	Blind Bull Outch Joe R.S.	10G2 9G5	8750 8700	6 32	34N 31N	115W 104W	1948 1936	2,3,4	
Blue Ridge Bruce's Camp	8G2 8G5	9500 6500	23 24	311	101W	1939 1955	2,3,4,5	I	East Rim Oivide Elk Heart Park G.S.	10F17 9G10	7950 9400	32 22	37N 35N	111W 107W	1936 1961	1,2,3,4,	5
Hobbs Park Mosquito Park R.S.	9G3 9G4	10000 9500	22	2S 2S	3W	1948	2,3,4,5	1,3	Elk River *c Gros Ventre	6J4 10F19	8700 8750	6 36	10N 40N	25W	1936 1948	2,3,4,5	1
Sawmill Glade	BGI	8500	3	311	101W	1939	2,3,4,5	1.3	Hewinta R.S. *u Hole-in-the-Rock *u	10J4 10J1	9500 9150	33	SN SN	13E 15E	1930	4	
South Pass St. Lawrence R.S.	BG3 9FII	9000	13 26	1N 30N	10 I W 4W	1939 1940	2,3,4,5 2,3,4,5	1,3	Kelly R.S. Kendall R.S. #1	10G12	8200	13	26N	118W	1951	2,3,4,5	
Trout Creek Twenty Lakes	9G2 9G7	84 CO 1 05 OO	5 2	2S 1 S	2₩ 5₩	194B 1959	2,3,4,5	1,3	Kendall R.S. #2	10F15	7900 7900	23 23	38N	I I O W	1936 1961	2,3,4,5	
OWL CREEK									Loomis Park #1 Loomis Park #2	10F16 10F16	2500 2500	14 14	37N 37N	IIIW.	1936 1960	2,3,4,5	
Owl Creek GREYBULL RIVER	BFI	8700	36	43N	101W	1948	2,3,4,5	1	Mulligan Park New Fork Lake	961 9 <b>F21</b>	8900 8325	17 11	35N 36N	108W	1936 1961	2,3,4,5	1
Frontier Needle	9F20	10000	20	46N	106W	1961	2,3,4	1	North Horse Creek Old Battle	10G16 6H10	9800	12 29	34N 14N	114W 85W	1961	2,3,4,5	1
Kirwin Wood River #2	9F19 9F15	0000	13	45N 46N	104W 103W	1960 1956	2,3,4	1	Piney LaBarge #1 Piney LaBarge #2	10G10 10G10	8820 8820	19	29N 29N	114W	1937 1959	2,3,4,5	1
Timber Creek #2	9E3	B 800	25	47N	103M	1955	2,3,4,5	1	Pocket Creek	9G11 10G6	9360 8500	19	32N 30N	109W	1961 1948	2,3,4,5	i
SHOSNONE RIVER Carter Mountain	9E4	7800	15	50N	103W	1957	1,2,3,4		Poison Meadows Snyder Basin R.S. #2	10013	8040	15	29N	114W	1956	2,3,4,5	1
East Entrance Sylvan Pass	10E6 10E5	7000 7100	17	52N 52N	110M 100M	1948	1,2,3,4,5	2	Soda Lake Triple Peaks	10G14 10G15	8300 8500	14 33	33N 34N	115W	1955 1956	2,3,4,5	- 1
Younts Peak	9F18	B500	430561	J 214	1090491	1960	2.3.4	Ī									
NOWOOO CREEK Cold Springs Camp	7E25	8700	1	50N	88W	1956	2,3,4,5	1	SNAKE RIVER BASIN (A	bove Jac		BIA RIVER	ORAINA	GE			
Medicine Lodge Lakes Munkres Pass	7E24 7E8	9500 9700	7	5 IN 4BN	87W 85W	1956 1950	2,3,4,5	į	Arizona	10F1	6850	3	46N	113W	1919	2,3,4	5
Onion Gulch	7E27 7E26	8100 9075	31 .	48N 50N	85W 86W	1956 1956	2,3,4,5	į	Aster Creek Base Camp	10E8 10F2	7700 6900	44 <sup>0</sup> 17 <sup>1</sup> 20	46N	110°37' 113₩	1919 1947	2,3,4	5 5
West Tensleep Lake Tyrell R.S.	7E35	8300	30	49N	86W	1956	2,3,4,5	1	Coulter Creek Glade Creek	10E10		44°091 44°081		110 <sup>0</sup> 33 <sup>1</sup>	1919 1919	2,3,4	2 5
Bear Trap Canyon Creek	7F1 7F2	8000 7400	10 16	45N 43N	85\ 86\	1960 1960	2,3,4,5	1	Grassy Lake Huckleberry Oivide	10E15		6 32	48N 48N	117W 115W .	1940 1919	2,3,4,5	5 5
Tensieep R.S. SHELL CREEK	7E7	8300	30	49N	86W	1936	2,3,4,5	1	Lewis Lake Oivide Moran	10E9 10F4	7900 6800	44 <sup>0</sup>  3 <sup>1</sup> 8,17	45N	110°401	1919	2,3,4,5	5
Bald Mountain	7E21	9600	33	56N	91 <b>₩</b>	1956	2,3,4,5	1	Moran Say Snake River Station	10F3 10E12	6800	14 44 <sup>0</sup> 08	45N	116W 110°40†	1919	2,3,4	5
Beaver-Tongue Oivide Bone-Spring Oivide	7E20 7E18	9200 9200	32 32	55N 55N	89W 91W	1956 1956	2,3,4,5	i	Thumb Oivide	10E7	7900	440221		110°351	1951	2,3,4	5
Granite Pass Ranger Creek	7E17 7E4	8950 8800	19 32	54N 53N	88W 88W	1956 1935	2,3,4,5 2,3,4,5	1	JACKSON LAKE TO PALI Afton R.S.	10G4	6200	30	32N	118W	1936	1,2,3,4,	5 4
Shell Creek	7E23	9600	12	52N	88W	1956	2,3,4,5	1	Blackrock	10F7	8600	4	44N	HIIW	1936	2,3,4	5
Five Springs Falls	7E31	7500	19	56N	92 <b>₩</b>	1956	2,3,4,5	1	Bryan Flat	10G2 10F14		9	34N 38N	115W	1948	1,2,3,4,	
Medicine Wheel	7E30	9000	24	56N	92 <b>W</b>	1956	2,3,4,5	1	CCC Camp Cottonwood Lake	10G7 10G5	7500 7500	9 25	29N 31N	118#	1936 1936	2,3,4	5 1,4 1,4
TONGUE RIVER Beaver-Tongue Oivide	7E20	9200	12	55N	91W	1956	2,3,4,5	1	Oeadman Ranch East Rim Oivide	10G1 10F17	6534 7950	28 32	35N 37N	116W	1936 1936	2,3,4	5 I
Big Goose #2 Bone-Spring Olvide	7E32 7E18	7700 9200	4 32	53N 55N	86W 89W	1955 1956	2,3,4,5	1 1	Four Mile Meadows Greys Soundary	10F6 10F18	7770	35 33	45N 37N	112W 118W	1936 1936	2,3,4,5	5
Burgess R.S. #2 Oome Lake #2	7E33 7E34	7900 8800	36 11	56N 53N	89W 87W	1955 1950	2,3,4,5	1	Gros Ventre Grover Park Oivide	10F19 10G3		36 27	40N 33N	WIII	1948 1936	2,3,4,5	1
Gloom Creek Granite Pass	7E14 7E17	9300 8950	32 19	55N 54N	87W 88W	1956 1956	2,3,4,5		Loomis Park Poison Meadows	10F16 10G6		14	37N 30N	111W	1936 1949	2,3,4,5	I
Sibley Lake	7E11 7E12	8000	10	55N 55N	88W 87W	1956 1956	2,3,4,5	i	Teton Pass #2	10F13		24 29	41N 44N	118W	1936 1936	1,2,3,4,	5 i,
Sucker Creek Steamboat Point	7E10	7500	32	56N	87₩	1956	2,3,4,5		Togwotee Pass Turpin Meadows	10F9 10F5	6930	14	45N	112W	1936	2,3,4,5	5
Wood Rock G.S. Geneva Pass	7E37	8500 10600	30 3	54N 52N	86W 86W	1956 1961	2,3,4,5 2,3,4,5	i	Yellowjacket Salt River Summit	10F10 10G8	7900	33 32	42N 29N	118W	1936 1948	2,3,4,5	
POWOER RIVER Bear Trap	7F1	80.00	10	45 N	25 W	1960	2,3,4,5		Snow King Mountain #	3 10F20	7600	4	40N	117W	1959	Semi. Mo	. 1
Canyon Creek	7F2	7400	16	43N	86 <b>W</b>	1960	2,3,4,5	İ	BEAR RIVER	1.00	27.00	-	0711	1.170	105	22.5	
Clouds Peak Muddy Creek G.S.	7E36 6E2	10000 7800	15 2	51N 48N	85\ 84\	1960 1956	2,3,4 2,3,4,5	i	Big Park CCC Camp	10G11 10G7	8700 7500	7 9	27N 29N	117W 118W	1951 1936	2,3,4,5	1,4
Munkres Pass Onion Gulch	7E8 7E27	9700 8100	31	48N 48N	85 W 85 W	1950 1956	2,3,4,5	1	Girl Hollow *u Goodman Ranch *u	11H17 10J6	8400 7900	5 19	7N 3N	5E 10E	1951 1937	3,4,5 4	1
Soldier Park Sour Oough	7E5 7E6	8700 8500	36 17	51N 49N	25\ 24\	1950 1936	2,3,4,5	1	Hayden Fork •u Head of Bear River •	10J7	9300 8600	1 15	IS 2N	9€ 10E	1951 1935	4,5 4	1
SWEETWATER									Kelly R.S. Monte Cristo, R.S. *	10G12	8200	13	26N 8N	118₩ 4E	1951 1930	2,3,4,5	
Grannier Meadows #1 Larsen Creek	8G4 9G€	9000 9000	19 12	30N	103M 100M	1937 1949	2,3,4,5 2,3,4,5	1	Poison Meadows Salt River Summit	10G6 10G8	8500 7900	29 32	30N 29N	116W	1948	2,3,4,5	1,4
South Pass	8G3	900 C	13	30N	101W	1939	2,3,4,5	1									
LARAMIE RIVER Brooklyn Lake #1	6H I	10200	11	16N	79W	1936	2,3,4,5	I	a. Numerals 1,2,3,4 a b. Numerals refer to	Agency	that see	cures the	SNOW S	urvey, as	follows		1.
Brooklyn Lake #2 Oeadman Hill •c	6H13 5J6	10200	26	16N	79W 75W	1956 1937	2,3,4,5	I	I. Soil Conser 2. U. S. Natio	vation S mal Park	ervice. Servic		1	S. U. S. o prado sno	Geologic	al Survey	
Evans Fox Park	6H15 6H12	9000	4	13N	7E₩ 7E₩	1960	2,3,4,5	1	3. U. S. India 4. U. S. Fores	n Servic	e.		m. Mon s. Sou	tana snow th Oakota	courses snow con		
Hairpin Turn #2, #3 Libby Lodge #2	6H2 6H3	9500 8700	24	16N	79W 78W	1936	2,3,4,5		5. U. S. Burea			n.	u. Utal	snow co	urses.	5,8-13,488	(5)
McIntyre *c Pole Mountain #2	5J 15	9100	35 35	10N 15N	76 W 72 W	1949	2,3,4,5										
Roach *c	5HI 6J12	9200 9200	5	100	72W 77W	1940	2,3,4,5	i									

### WATER SUPPLY OUTLOOK

FOR

#### WYOMING

## April 1, 1962

There is very little change in the stream flow forecasts of \* April I and one month ago. The watersheds throughout the state \* are maintaining a snow pack that ranges from slightly below 2 12 normal in the Clark's Fork basin north of Cody, to a heavy flow of 172 percent of normal on the North Platte at Northgate. The mountain soil beneath the snow pack is close to maximum holding capacity, this means that very little snow melt will be demanded by the soil. \*

In addition, winter wind has been slightly less than normal in some areas, 50 percent of average in other areas and considerably less than that of the past few years. Accordingly, the exposed areas of the snow pack have not been subjected to abnormal evaporation rates.

\* \*

> If subsequent storms provide a normal increment to the snow pack, the seasonal water supply throughout the state will range from good to excellent.

THE COLUMBIA RIVER BASIN is forecast at 110 percent of average at Moran, Wyoming, and 112 percent on the Snake above Palisades Reservoir. Extremely. heavy flows of 154 percent are anticipated in the Salt and Greys River drainage.

THE COLORADO RIVER BASIN is also substantially above normal with snow melt water supplies estimated at 117 percent of average for the Green River at Green River, Wyoming.

THE LOWER YELLOWSTONE BASIN is holding an expected runoff of 106 percent at DuBois, 113 percent into Bull Lake Reservoir, 124 percent near Milford, and 137 percent of average for the Little Popo Agie near Lander. Shoshone outlook is for 100 percent of normal into Buffalo Bill Reservoir. Flows of around 120-145 percent are predicted for the Big Horn Mountain release.

THE NORTH PLATTE RIVER BASIN has also improved substantially during the past month. The April I to September 30 yield at Northgate is a heavy 172 percent. At Encampment, the forecast is for 109 percent and the combined flow at Saratoga will be close to 1/1/4 percent of average.



## WYOMING STREAM\_FLOW FORECASTS APRIL 1, 1962

BASIN AND TRIBUTARY	CONTRACTOR OF THE PARTY OF THE	Stream-Flow		nds of Acre Feet	-
	Forecast Runoff	% 15-Year Average	<b>Objective Participality</b>	ed Runoff 15-Yr. Avg.	-
			1960	1943-57	entere e
MADISON RIVER West Yellowstone (at)	233	108%	171	216	
YELLOWSTONE RIVER Corwin (at)	2236	113%	1321	1980	
LITTLE POPO AGIE Lander (near)	56	137%	19	41	
NORTH POPO AGIE Milford (near)	92	121%	40	74*	
BULL LAKE CREEK Lenore (near)	192	113%	118	170*	
WIND RIVER DuBois (near)	106	106%	61	100*	
SHELL CREEK Shell (near)	90	127%	43	71	
TENSLEEP CREEK Tensleep (near)	118	148%	46	80	
MEDICINE LODGE CREEK Hyattville (near)	22	124%	13	18	
SHOSHONE RIVER Buffalo Bill Dam(below)(1)	850	100%	511	851	
CLARK'S FORK Chance, Mont. (at)	600	98%	386	617	
LARAMIE RIVER Jeim (at) (2)	147	130%	83	113	
ENCAMPMENT RIVER Encampment (near)	170	109%	118	156	
MEDICINE BOW RIVER Hanna (near)	115	115%	<i>3</i> 5	99	
NORTH PLATTE RIVER Northgate (at) Saratoga (at)	140 950	172% 114%	193 450	255 661	

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		April	I-Septemb	ner 30
BASIN AND TRIBUTARY	Seasonal			nds of Acre Feet
	Forecast		Measur	ed Runoff
	Runoff	Average	1960	15-Yr. Avg. 1943-57
NORTH PINEY CREEK Mason (at)	57	139%	24	41
NEW FORK RIVER Boulder (near)	340	130%	110	261
GREEN RIVER  Warren Bridge (at)  Fontenelle (near)  Green River (at)	418 1430 1760	120% 145% 147%	207 439 456	348 983* 1200
BIG SANDY CREEK Big Sandy (near)	74	125%	51	59
LITTLE SANDY CREEK Elkhorn (near)	19	125%	7	15
SNAKE RIVER  Moran (at) (3)  Above Reservoir near Alpine	1023 3540	110% 112%	607 1900	928 3161
PACIFIC CREEK Moran (near)	204	110%	115	185*
BUFFALO FORK Moran (near)	377	112%	283	337*
GREY'S RIVER Palisades reservoir above	612	152%	278	403*
SALT RIVER Etna above reservoir	538	156%	227	360
BEAR RIVER Utah-Wyo. State Line (near) Randolph (near) Harer (at)	110 110 1112	1 16% 104% 1 37%	88 24 119	123 115* 299
SMITH'S FORK Border (near)	176	148%	83	119
HENRY'S FORK Linwood (at)	73	182%	23	L <sub>t</sub> O
BLACK'S FORK Green River (near)	230	110%	100	210*

All stream data taken from observed flow records with the following exceptions:

<sup>(1)</sup> Observed flow corrected for Buffalo Bill storage and Heart Mtn. diversion.
(2) Observed flow corrected for Colorado diversion above station.

<sup>(3)</sup> Observed flow corrected for Jackson Lake storage.

Less than 15 years of record.



### STATUS OF WYOMING RESERVOIR DATA

April 1, 1962

BASIN		USABLE	USABLE	STORAGE	- 1000's	ACRE FEET
and/or STREAM	RESERVO IR	CAPACITY 1000's AF	1962	1961	1960	1943-57 15-Yr. Avg.
Snake River Snake River Snake River	Jackson Palisades Grassy Lake	8 <u>1</u> 7.0 1,202.0 15.2	165.8 681.3 8.9	133.9 640.0 7.0	478.4 876.0 11.9	465.5 661.3# 13.2
North Platte North Platte North Platte North Platte North Platte	Seminoe Pathfinder Alcova** Guernsey Glendo	981.8 1,041.0 30.3 39.8 786.3	106.0 213.8 17.0 19.3 367.9	63.3 251.7 12.3 19.2 278.4	252.4 277.1 28.0 32.5 380.4	1.28.4 631.4 28.5 277.0#
Laramie River	Wheatland	95.0	73.3	15.5	34.2	
Belle Fourche	Keyhole	190.3	9.5	2.7	14.8	8.7#
Shoshone River	Buffalo Bill***	380.3	127.9	135.2	128.0	220.6
Wind River Wind River Wind River	Boysen Pilot Butte Bull Lake	560.0 31.6 152.0	137.9 23.7 78.0	106.3 24.7 58.3	139.6 26.0 36.6	Ц26.7* 18.2 60.1
Green River	Big Sandy	38.3	7.7	5.5	4.5	7·3#
Greybull River	Sunshine	53.0	28.6	7.5		

<sup>\*</sup> Average is for less than 15 years of record in the 1943-57 period.

<sup>\*\*</sup> Alcova downstream from Seminoe and Pathfinder includes 160,170 acre feet of storage that is unavailable to the Kendrick Project. In the future, storage in this reservoir will be held at usable capacity (190,500 acre feet.)

<sup>\*\*\*</sup> Usable capacity 139,800 however, 59,500 acre feet are inactive except in emergency.

e Estimated average.

<sup>#</sup> All past data.



STATUS OF NEBRASKA AND SOUTH DAKOTA RESERVOIR DATA
April 1, 1962

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE 1962	STORAGE 1961	- 1000's	ACRE FEET 1943-57 15-Yr.Avg.
Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin	Bonny <sup>C</sup> Swanson Lake Enders Harry Strunk Harlan County Cedar Bluffk Lovewell <sup>k</sup> Kirwin <sup>k</sup> Webster <sup>k</sup> Kanopolis	39.9 116.1 36.0 33.9 348.8 176.8 37.3 88.8 64.9	37.b 120.6 43.0 39.2 350.2 185.6 61.8 91.0 70.6 39.5	37.4 105.7 45.0 37.2 356.7 70.1 29.5 81.3 70.1 44.2	46.4 140.9 52.0 48.5 477.5 214.9 40.4 101.7 89.4	36.8* 89.2* 41.8* 36.2* 254.2* 58.2* 54.4* 58.2*
SOUTH DAKOTA						
Belle Fourche	Belle Fourche	185.2	58.2	37.6	60.9	116.9
Cheyenne River Cheyenne River	Angostura Deerfield	92.0 15.1	18.2 4.1	6.5 2.8	28.8 1.7	Ц2.1* 11.3*
Grand River	Shadehill	84.0	35.0	51.3	82.4	78.4*
Rapid Creek	Pactola	55.0	3.9	16.4	25.4	15.4*

c. Located in Colorado.

k. Located in Kansas.

<sup>\*</sup> Average of all past data.



Ducinasa Basin	Number			1962	SNOW CO	OVER ME	PAST R	
Drainage Basin	or		Date	Snow	Water	Water	Conten	
Snow Course	State	Elev.	of	Depth	Content	Wat Ci	comen	1943-57
			Survey		(In.)	1961	1960	Average
MADISON RIVER - YELL	OWSTONE	PARK						
Norris Basin : 21 Mile <sup>m</sup> West Yellowstone <sup>m</sup>	10E2 11E6 11E7	7500 7150 6700	3/31 3/30 3/30	42 57 37	12.4 17.8 11.0	8.7 14.8 9.3	6.6 8.8 5.4	10.3e 19.2 12.7
UPPER YELLOWSTONE -	YELLOWST	ONE PARK	<u>(                                    </u>					
Canyon Cooke City Crevice Mountain East Entrance: Lake Camp #1 Lake Camp #2 Lupine Creek Norris Basin: Sylvan Pass: Thumb Divide:	10E3 10D7 10D5 10E6 10EL 10EL 10E1 10E2 10E5 10E7	7750 7400 8400 7000 7850 7850 7300 7500 7100 7900	1/1 3/31 3/30 3/30 3/31 1/1 3/30 3/28	61 35 51 35 53 50 17 12 145 82	19.6 12.7 16.6 12.6 12.6 12.9 29.0	13.3 7.5 5.6 8.6 7.9 8.7 11.2 16.1	8.7 5.5 5.6 5.6 6.7 6.3 11.8	16.0 9.0 10.5 11.9e 12.1e 10.8e 11.6e 10.3e 15.9 25.4e
LOWER YELLOWSTONE -	CLARK'S F	ORK						
Lodgepole	9EI	8200	3/28	45	11.1	7.4	6.3	13.1e
LOWER YELLOWSTONE -	WIND RIVE	ER						
Big Warm Burroughs Creek Dinwoodie Dinwoodie Glaciers Dry Creek DuNoir Geyser Creek Little Warm Sheridan R.S. #2 T-Cross Ranch Togwotee Pass: Twenty Lakes:	9F12 9F4 9F10 9F17A 9F9 9F6 9F7 9F8 9F3 10F9MP 9F7A	10500	3/28 3/30 3/31 3/30 3/28 3/29 3/29 3/29 3/30 3/30	44 52 58 58 43 59 32 89 99	12.0 15.6 13.5 16.0A 8.4 11.3 9.5 8.4 6.0 33.1 12.5A	5.8 8.8 8.5A 5.5 4.0 12.5 4.0 24.0	7.1 7.8 9.2 8.0A 4.3 4.9 3.9 13.7 5.0 24.6 7.5A	10.1e 16.9e 13.2e 7.1e 10.1 9.4e 18.3e 9.4e 8.1 32.1
Kirwin : Owl Creek	9F19A 8F1	10000 8700		REPORT	7.0	5.5A	8.0A	7 70
OW I CI EEK	OFI	0700	3/31	31	7.9	7.6	7.8	7.3e

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Dunings Donin	Marine are			1060	SNOW CC	VER MEA	SUREME	
Drainage Basin and	Number or		Date	1962 Snow	Water	Whtor	PAST RI	
Snow Course	State	Elev.	of	Depth	Content	Marei	Com em	1943-57
Silow Course	31016	LICV.	Survey		(In.)	1961	1960	Average
LOWER YELLOWSTONE - F	POPO AGII	RIVER						
Blue Ridge Bruce's Camp Hobbs Park Mosquito Park R.S. Sawmill Glade South Pass : St. Lawrence R.S. Trout Creek Twenty Lakes :	862 865 963 964 961 863MP 9F11 962 967A	9500 6500 1 0000 9500 8500 9000 9000 8400 1 0500	3/24 3/24 4/2 4/2 3/24 4/1 4/1 4/2 3/30	56 64 38 43 59 37 27	13.9 2.2 20.5 9.2 10.2 16.9 9.7 7.5 12.5A	7.9 4.4 15.1 6.8 7.1 8.7 5.6 7.6	6.9 4.3 12.9 5.7 5.9 10.2 3.3 3.2 7.5A	13.7 5.5e 20.1e 9.1e 8.6 16.4 7.8e 6.7e
LOWER YELLOWSTONE - G	REYBULL	RIVER						
Frontier Needle Kirwin : Timber Creek #2 Wood River #2	9F20A 9F19A 9E3 9F15	10000 11000 8800 8000		REPORT REPORT 21: 34:	5.6 8.5	5.5A 5.5A 3.7 6.6	8.0A 4.7 6.3	1.8a 5.6a
LOWER YELLOWSTONE - S	SHOSHONE	RIVER						
Carter Mountain East Entrance : Sylvan Pass : Togwotee Pass : Yount's Peak	9ELM 10E6 9E5 10F9MP 9F18A	7800 7000 9200 9600 8500	3/29 3/30 3/30 3/31 LATE F	32 35 45 89 REPORT	8.2 9.7 10.9 33.4	5.3 6.8 11.2 24.0 10.9A	5.2 1.6 8.3 21.6 12.0A	4.8a 11.9e 15.9 32.1
LOWER YELLOWSTONE - N	IOWOOD CF	REEK						
Bear Trap : Canyon Creek : Cold Springs Camp Medicine Lodge Lakes Munkres Pass : Onion Gulch : Tyrell R.S. West Tensleep Lake	7F1 7F2 7E25 7E2LµM 7E8 7E27M 7E35 7E26	8000 7400 8700 9500 9700 8100 8300 9075	L <sub>1</sub> /2 L <sub>1</sub> /3 3/27 3/27 L <sub>1</sub> /1 L <sub>1</sub> /1 3/26 3/26	46 52 33 48 47 51 40 56	11.8 14.0 7.0 11.8 13.7 13.5 10.2	6.8 12.3 6.5 10.4 7.5 7.2 8.1 9.9	6.2 10.0 5.8 9.7 8.3 6.5 9.9	7.3a 11.3a 9.3e 8.7a 7.5e

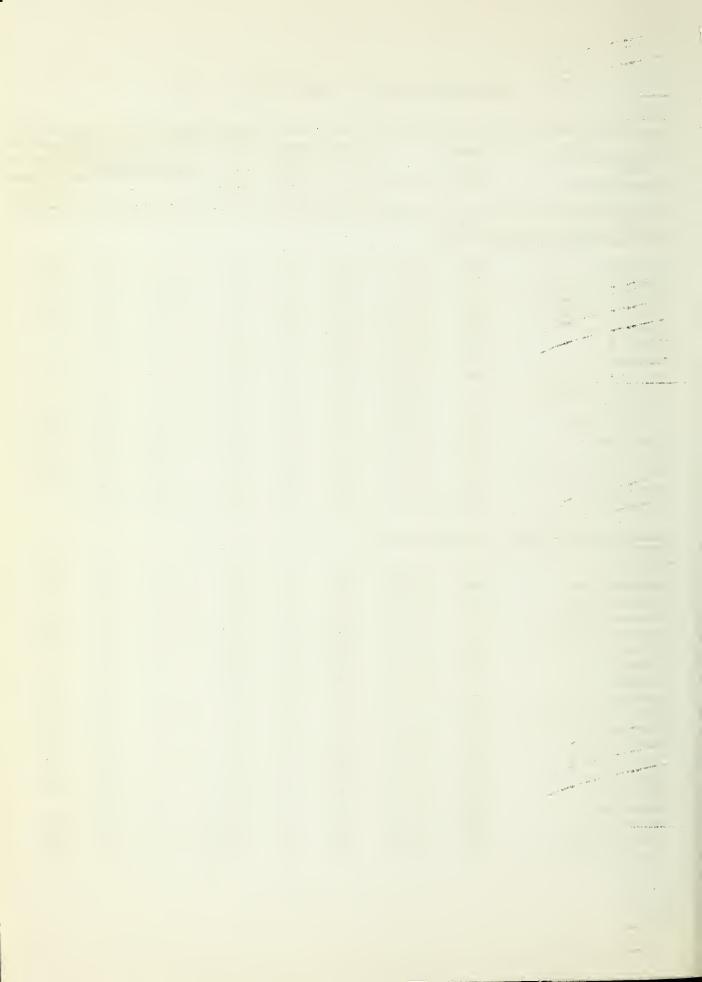


## WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1962

			-					
Desires Pasis	Marah an		1.0	262	SNOW CO	VER ME		
Drainage Basin	Number		Date	962 Snow	Water	Water	PAST R	t (In.)
Snow Course	State	Elev.	of	Depth	Content	Mai Ci	Conten	1943-57
			Survey		(In.)	1961	1960	Average
LOWER YELLOWSTONE - S	SHELL CRE	EK						
Bald Mountain : Beaver Tongue : Bone Spring Divide : Granite Pass : Ranger Creek Shell Creek LOWER YELLOWSTONE - F	7E21M 7E20 7E18 7E17 7E4 7E23	9600 9200 9200 8950 8800 9600	3/21 3/26 3/26 3/28 3/28	71 70 66 61 44 66	24.7 22.1 20.7 19.0 10.9 17.2	18.8 16.8 13.1 12.2 7.8 11.9	20.7 18.4 16.1 15.3 6.9 13.7	19.8a 18.1a 16.2a 15.7a 9.1e 14.3a
Five Springs Falls Medicine Wheel	7E31 7E30	7500 9000	3/30 3/25	23 52	6.0 16.1	5.4 14.3	5.4 16.1	5.7a 15.7a
LOWER YELLOWSTONE - T	ONGUE RI	VER						
Beaver Tongue: Big Goose #2 Bone Spring Divide: Burgess R.S. #2 Dome Lake #2 Geneva Pass Gloom Creek Granite Pass: North Tongue Sibley Lake Steamboat Point Sucker Creek Wood Rock G.S.	7E20 7E32M 7E18 7E33 7E34 7E37A 7E11 7E17 7E17 7E10 7E10 7E12 7E13	9200 7700 9200 7900 8800 10600 9300 8950 8800 8000 7500 9000 8500	3/24 3/26 3/25 3/25 3/29 3/27 3/26 3/28 3/28 3/28	70 43 66 30 53 72 51 46 47 39 47	22.1 10.8 20.7 7.9 13.5 22.5A 16.3 19.0 13.9 11.0 9.3 14.1	16.8 7.6 13.4 6.4 9.1 12.0 12.2 9.3 7.3 1.2 8.5	18.4 6.3 16.1 7.9 9.7 14.8 15.3 9.0 7.6 12.4 10.6	18.4a 7.6a 16.2a 7.6a 8.6a 13.1a 15.7a 9.7a 7.7a 11.9a 10.4a
LOWER YELLOWSTONE - P	OWDER RI	VER						
Bear Trap : Canyon Creek : Cloud's Peak Muddy Creek G.S. Munkres Pass : Onion Gulch : Soldier Park Sour Dough	7F1 7F2 7E36A 7E28 7E8 7E27M 7E5 7E6	8000 7400 10000 7500 9700 8100 8700 8500	1./2 1./3 3/30 1./1 1./1 1./1 3/31 3/31	16 52 62 19 47 51 31	11.8 14.0 19.0A 5.2 13.7 13.5 7.4	6.8 12.3 12.0A 4.4 7.5 7.2 5.4 6.8	6.2 10.0 17.0A 2.4 8.3 8.3 5.6 4.8	4.2a 9.3e 8.7a 5.5e 7.3

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			***********		SNOW CC	OVER MEA		
Drainage Basin	Number			1962			PAST R	
and	or		Date	Snow	Water	Water	Conten	
Snow Course	State	Elev.	of	Depth	Content	. = / .	. = ( )	1943-57
			Survey	(In.)	(in.)	1961	1960	Average
NORTH PLATTE - LARAM	IE RIVER							
Albany: Brooklyn Lake #2 Cameron Passc: Chambers Lakec Deadman Hillc Evans: Foxpark: Hairpin Turn #2 Hairpin Turn #3 LaBonte: Libby Lodge Lost Lakec McIntyrec Pole Mountain #2: Roachc: Rock Creek:	6HII 6HII 5JI 5J2 5J6 6HII 6HII 6HII 6HII 6HII 6HII 6HII	9100 10200 10300 9000 10300 9000 9200 9500 9500 8150 8700 9300 9100 8700 9800	1/3 1/2 3/29 1/1 3/28 3/28 1/2 3/28 1/1 3/29 1/1 3/26	18 70 99 37 56 18 38 19 22 36 47 50 28 49 97	16.8 26.9 17.8 10.17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	11.2 19.5 26.7 15.4 10.7 1.5 8.8 10.7 8.8 10.7 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8	11.5 17.8 29.2 10.3 18.5A 9.9 6.1 7.7 11.9 2.5 7.0 11.6 8.6 1.3 18.9 23.5A	15.5e 23.0e 24.9 8.8 16.8 7.4 12.9 6.6e 11.8e 11.4e 5.6e 20.0
NORTH PLATTE - ABOVE	SEMINOE	RESERVO	IR					
Albany : Bottle Creek Boxelder #2 : Cameron Passc : Casper Mountain : Columbinec Evans : Foxpark : LaBonte : North Barrett Creek North French Creek Northgatec Old Battle : Park Viewc Roachc : Rock Creek : Ryan Park Webber Spring Willow Creek Passc	6HII 6H8 5GI 5JI 6GI 6H3 6H15 6H5M 6H5M 6H6 6H9M 6J5	94,00 8200 9000 10300 8700 9300 9200 84,50 94,00 10200 8500 9800 9800 9800 9800 9800 9000 9500	4/3 3/2 3/29 3/28 3/28 3/28 3/28 3/28 3/28 4/30 3/28	48 49 37 964 78 38 22 75 10 13 14 19 19 19 19 19 19 19 19 19	16.8 16.4	11.2 9.70 23.0	11.5 9.8 29.5 15.5 9.1 15.5 17.5 27.8 18.5 12.8 14.3	15.5e 15.4 24.9 13.1a 24.7 7.4 6.6e 20.0 30.5 6.2e 33.3 9.7 20.0

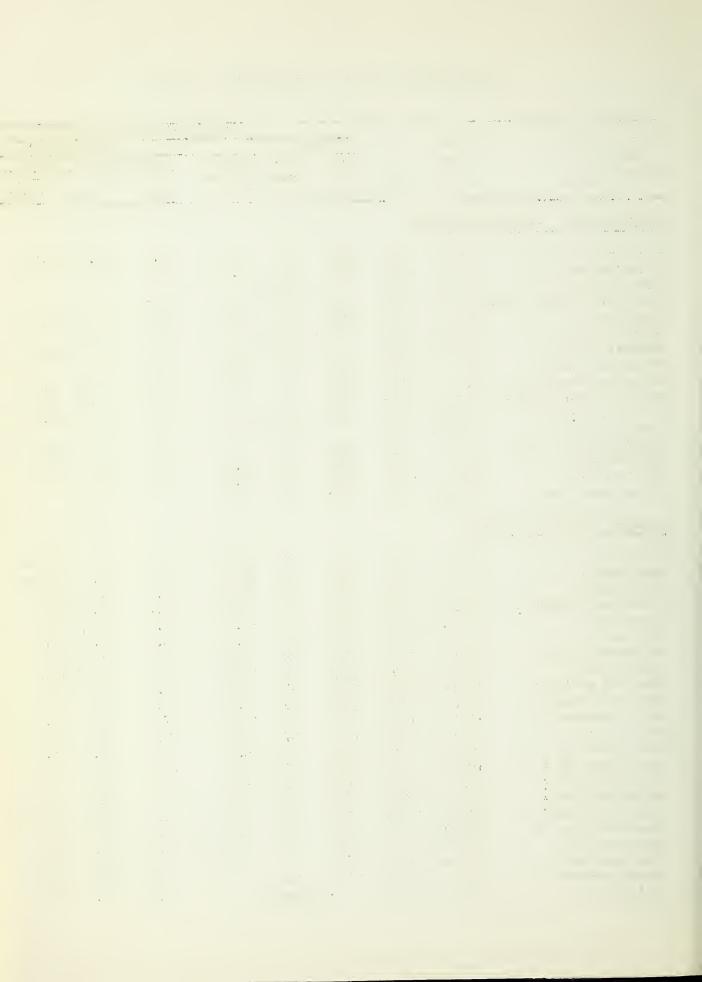


## WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1962

	-				CNOW CO	ייירט אבי	CUDENC	ITC
Drainage Basin	Number		-	1962	SNOW CO	OVER MEA	PAST RE	
and	or		Date	Snow	Water	Water	Content	
Snow Course	State	Elev.	of	Depth	Content	110101	COMMENT	1943-57
			Survey		(in.)	1961	1960	Average
NORTH PLATTE - CROW	CREEK							
Pole Mountain #2 :	5H1	8700	3/29	22	5.3	5.8	1.3	5.6e
NORTH PLATTE - SWEET	WATER							
Grannier Meadows Larsen Creek South Pass :	8GL 9G6 8G3MP	9000 9000	3/24 3/29 3/2L	60 53 59	16.4 15.2 16.9	8.4 8.9 8.7	11.1 6.5 10.2	16.1 11.6e 16.4
NORTH LARAMIE MOUNTA	INS							
Boxelder #2 : Casper Mountain : LaBonte :	561 661 562	9000 8700 8450	11/2 3/29 3/28	37 6L 22	8.4 18.5 4.5	7.0 15.3 6.3	6.8 12.5 2.5	13.1a 6.6e
GREEN RIVER - ABOVE O	REEN RIV	ER						
Big Sandy Opening Blind Bull Summit : Dutch Joe R.S. East Rim Divide : Elk Heart Park Gros Ventre : Kendall R.S. #1 Kendall R.S. #2 Loomis Park #1 : Loomis Park #2 : Mulligan Park New Fork Lare	969P 1062A 965 10F17MP 9610 10F19 10F15 10F16 10F16 961 9F21	9220 8750 8760 7950 9400 8750 7900 8500 8500 8900 8325	3/29 3/28 3/26 3/27 4/1 3/30 3/30 3/27 3/31	59 87 46 51 61 57 57 53 68 51	15.2 34.0A 12.7 19.6 17.1 14.3 17.2 23.6 14.4 15.0	11.0 21.0A 7.8 6.6 10.7 9.8 7.3 8.7 10.8 11.4 7.7 9.2	20.0A 5.5 7.6 8.9 7.6 9.0 12.8 13.8 6.7	33.4e 8.9e 12.4 13.7e 11.9
North Horse Creek Piney LaBarge #1 Piney LaBarge #2 Pocket Creek	10616 10610 10610 9611	8200 8820 8820 9360	3/27 3/29 3/29 3/28	68 70 <b>7</b> 9 58	26.3 26.3 30.9 17.8	15.1 11.6 11.8 9.9	13.6	20.5
Poison Meadows : Snyder Basin #2 Soda Lake South Pass : Triple Peaks	10G6 10G13MP 10G14 8G3MP 10G15	8300	3/29 3/29 3/28 3/21 3/28	103 59 60 59 80	39.6 20.8 20.6 16.9 31.1	8.4 12.9 8.7 19.3	23.3 11.5 12.9 10.2 19.2	30.9e 16.4 20.6e 16.4 32.0e

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	SNOW COVER MEASUREMENTS								
Drainage Basin	Number		196				PAST RECORD		
and	or		Date	Snow	Water	Water	Content (In.)	-	
Snow Course	State	Elev.	of		Content		1943-57		
			Survey	(In.)	(In.)	1961	1960 Average:	S	
GREEN RIVER - BELOW GR	EEN RIVE	R							
Big Park : Black's Fork Jct. <sup>U</sup> Buck Pasture <sup>U</sup>	10G11 10J22 10J23A	8700 8925 9700	3/31 3/22	71 仏 0 REPOI	26.7    .	14.1 7.4	15.8 20.6a		
East Fork Black's Fork Elk River <sup>C</sup> Henry's Fork <sup>U</sup>	614 614	9300 8700 10200	3/21 3/28	59 0 REPOI	12.1	6.4	14.5 18.2		
Hewinta R.S. <sup>U</sup> Hickerson Park <sup>U</sup> Hole-in-the-rock <sup>U</sup>	10J4 9J8 10J1	9500 9100 9150	3/21 3/23 3/23	42 45 40	10.8 10.6 8.1	7.6 6.4 6.9	8.8 10.5 4.8 6.5		
Hole-in-the-rock GSU Kelly R.S. ÷	1013	8300 8200	3/23 3/31	19 66	4.2	2.8 11.4	1.2 1.8		
Middle Beaver Creek <sup>u</sup> Old Battle : Spirit Lake <sup>u</sup> Steel Creek Park <sup>u</sup>	10J25A 10J2 6H10 9J7 10J20	9800 9800 9900 9900	3/23 3/30 3/23 3/22	77 53 94 77 53	7.3 35.4 20.2 14.4	6.1 23.7 14.0	4.2 5.7 27.8 33.3		
JACKSON LAKE TO PALISADES									
Afton R.S. Base Camp : Blackrock Blind Bull Summit : Bryan Flat CCC Camp : Cottonwood Lake Deadman Ranch East Rim Divide : Four Mile Meadows Greys Boundary Gros Ventre : Grover Park Divide Loomis Park #1 : Loomis Park #2 : Poison Meadows : Salt River Summit: Snow King Mtn. #3 Teton Pass #2 Togwotee Pass : Turpin Meadows	1064 10F2 10F7 10G2A 10F14 10G7 10G5A 10G1A 10F17MP 10F6 10E18 10F19 10G3 10F16 10G6 10G8P 10F20M 10F13 10F9MP 10F5	7770 5800 8750 7500 8500 8500 8500 7600 8500 9600 6930	1/291 3/3/296 3/299 3/296 3/29 3/29 3/29 3/29 3/29 3/29 3/29 3/3 3/29 3/29	0 572 8 4 4 6 2 5 5 4 6 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	0.0 20.5 34.0A 13.5 11.5A 14.9 17.0 12.3 39.4 19.2 17.0 19.2 19.2 19.2 19.2 19.3 19.2	0.3 1 0.9 9 5.56 4.58 5.8 4.40 9.70 4.8 0.3 1 0.9 9.5.6 4.58 5.8 4.40 9.70 4.8	0.0 1.8e 13.5 19.9e 17.4 24.3 20.0A 33.4e 5.4 11.2 9.6 12.3 13.5A 16.9 11.5A 11.2 7.6 12.4 9.6 14.3 10.5 11.9 8.9 13.7e 11.3 11.9 12.8 19.4 13.8 23.3 30.9e 12.3 16.1e 12.5 28.1 38.7 24.6 32.1 6.8 11.6		
Yellowjacket	10F10	7675		REPORT		3.8	N.R. 6.4		



	handballit am gayaga ayan i Min Manadalli		SNOW COVER MEASUREMENTS							
Drainage Basin	Number			1962			PAST RECORD			
and	or		Date	Snow	Water	Water	Conten	t (ln.)		
Snow Course	State	Elev.	of Survey	Depth	Content (in.)	1961	1960	1943-57 Average		
	-		Jul vey	(111.)	(1110)	1901	1900	Average		
SNAKE RIVER - ABOVE	JACKSON L	AKE								
Arizona Astor Creek Base Camp : Coulter Creek Glade Creek Grassy Lake Huckleberry Divide Lewis Lake Divide Moran Moran Bay Snake River Station Thumb Divide :	10F1 10E8 10F2 10E10 10E13 10E15 10E14 10E9 10F4MP 10F3 10E12MP 10E7	6850 7700 6900 7600 7200 7265 7300 7900 6500 6800 6780 7900	3/28 3/29 3/27 3/28 3/28 3/28 3/29 3/29 3/28	67 106 59 70 77 100 68 133 14 70 66 82	23.5 38.2 20.5 25.4 27.4 39.9 23.7 50.4 14.2 26.0 23.2 29.0	15.3 25.9 12.3 19.1 18.3 28.6 15.2 36.1 7.5 16.5 17.9	13.9 16.6 13.5 15.0 25.2 13.7 27.1 10.3 N.R. 14.2	20.0e 36.4e 19.9e 25.3e 24.5e 36.7 21.2e 48.4e 12.1e 23.2e 21.9e 25.4e		
BEAR RIVER										
Big Park : CCC Camp Goodman Ranch Hayden Fork Kelly:R.S.: Monte Cristo Poison Meadows: Salt River Summit: Still Water Camp Trial Lake	10G11 10G7 10J6 10J7 10G12 11H12 10G6 10G8P 10J17	8700 7500 7900 9300 8200 8960 8500 7900 9800 9800	3/31 3/29 3/30 3/30 3/29 3/29 3/29 3/29	71 22 60 66 83 103 55 41 86	26.7 11.5 6.9 21.3 21.7 33.0 39.6 19.4 12.3 31.2	14. 1 6. 1 8. 9 11. 4 17. 9 21. 4 10. 0 7. 3 16. 0	15.8 9.6 3.4 N.R. 15.0 19.9 23.3 12.3 8.8 21.7	20.6a 12.3 6.1 18.3e 18.1a 27.9 30.9e 16.1e 11.9a 29.1		
MISSOURI - CHEYENNE RIVER										
Upper Spearfishs	3EI	6500	L1/2	22	6.5	3.7	6.0	6.9a		

a. Average of all past data.

e. 1943-57 partially estimated.

c. Colorado snow courses.

m. Montana snow courses.

u. Utah snow courses.

s. South Dakota snow courses.

Located close to divide.

A. Aerial stadia marker, water content estimated.

M. Soil moisture stack.

P. Pearson storage gage.



# Agencies Cooperating in Wyoming Snow Surveys

#### FEDERAL

U. S. Department of Agriculture Forest Service Soil Conservation Service

U. S. Department of Commerce Weather Bureau

U. S. Department of the Interior Bureau of Reclamation Geological Survey National Park Service Indian Service

#### STATE

State Engineer of Wyoming

#### PRIVATE

Wheatland Irrigation District Greybull Valley Irrigation District Clouds Peak Soil & Water Conservation District Cody Soil & Water Conservation District Dubois-Crowheart Soil & Water Conservation District Greybull Valley Soil & Water Conservation District Lake DeSmet Soil & Water Conservation District Laramie Rivers Soil & Water Conservation District Little Snake River Soil & Water Conservation District Medicine Bow Soil & Water Conservation District Pinedale Soil & Water Conservation District S & E Soil & Water Conservation District Shell Valley Soil & Water Conservation District Shoshone Soil & Water Conservation District Tongue River Soil & Water Conservation District Washakie Soil & Water Conservation District Wheatland Soil & Water Conservation District Powder River Soil & Water Conservation District Pavillion & Wind River Soil & Water Conservation District Powell-Clarks Fork Soil & Water Conservation District Bridger Valley Soil & Water Conservation District

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# FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"